

Jean M J Frchet

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|--------------------------|----------------|-----------------|
| 730 papers | 85,697 citations | 152 h-index | 264 g-index |
| 760 ext. papers | 88,856 ext. citations | 8.6 avg, IF | 8.24 L-index |

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 730 | Reduction Triggered Polymerization in Living Mice. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15575-15584 | 16.4 | 15 |
| 729 | On the Molecular Origin of Charge Separation at the Donor-Acceptor Interface. <i>Advanced Energy Materials</i> , 2018 , 8, 1702232 | 21.8 | 45 |
| 728 | Organic Semiconductor-Containing Supramolecules: Effect of Small Molecule Crystallization and Molecular Packing. <i>Macromolecules</i> , 2016 , 49, 833-843 | 5.5 | 7 |
| 727 | The effect of polymer backbone chemistry on the induction of the accelerated blood clearance in polymer modified liposomes. <i>Journal of Controlled Release</i> , 2015 , 213, 1-9 | 11.7 | 111 |
| 726 | A mechanistic understanding of processing additive-induced efficiency enhancement in bulk heterojunction organic solar cells. <i>Advanced Materials</i> , 2014 , 26, 300-5 | 24 | 133 |
| 725 | On the efficiency of charge transfer state splitting in polymer:fullerene solar cells. <i>Advanced Materials</i> , 2014 , 26, 2533-9 | 24 | 94 |
| 724 | Organic Solar Cells: On the Efficiency of Charge Transfer State Splitting in Polymer:Fullerene Solar Cells (Adv. Mater. 16/2014). <i>Advanced Materials</i> , 2014 , 26, 2607-2607 | 24 | |
| 723 | Decacyclene Triimides: Paving the Road to Universal Non-Fullerene Acceptors for Organic Photovoltaics. <i>Advanced Energy Materials</i> , 2014 , 4, 1301007 | 21.8 | 53 |
| 722 | Efficient charge generation by relaxed charge-transfer states at organic interfaces. <i>Nature Materials</i> , 2014 , 13, 63-8 | 27 | 584 |
| 721 | In Situ and Real-Time Atomic Force Microscopy Studies of the Stability of Oligothiophene Langmuir-Blodgett Monolayers in Liquid. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 5789-5795 | 3.8 | 2 |
| 720 | The influence of microstructure on charge separation dynamics in organic bulk heterojunction materials for solar cell applications. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6218-6230 | 13 | 46 |
| 719 | Solution-processed, molecular photovoltaics that exploit hole transfer from non-fullerene, n-type materials. <i>Advanced Materials</i> , 2014 , 26, 4313-9 | 24 | 72 |
| 718 | Bulk Heterojunction Solar Cells: A Mechanistic Understanding of Processing Additive-Induced Efficiency Enhancement in Bulk Heterojunction Organic Solar Cells (Adv. Mater. 2/2014). <i>Advanced Materials</i> , 2014 , 26, 299-299 | 24 | 3 |
| 717 | Controlling Solution-Phase Polymer Aggregation with Molecular Weight and Solvent Additives to Optimize Polymer-Fullerene Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2014 , 4, 1301733 | 21.8 | 182 |
| 716 | Improving the long-term stability of PBDTPD polymer solar cells through material purification aimed at removing organic impurities. <i>Energy and Environmental Science</i> , 2013 , 6, 2529 | 35.4 | 91 |
| 715 | Enhanced solid-state order and field-effect hole mobility through control of nanoscale polymer aggregation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 19229-36 | 16.4 | 170 |
| 714 | Electron Transfer Dynamics of Triphenylamine Dyes Bound to TiO ₂ Nanoparticles from Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 6990-6997 | 3.8 | 26 |

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| 713 | Control of Polymer-Packing Orientation in Thin Films through Synthetic Tailoring of Backbone Coplanarity. <i>Chemistry of Materials</i> , 2013 , 25, 4088-4096 | 9.6 | 182 |
| 712 | Clinical developments of chemotherapeutic nanomedicines: polymers and liposomes for delivery of camptothecins and platinum (II) drugs. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2013 , 5, 130-8 | 9.2 | 37 |
| 711 | The Importance of Fullerene Percolation in the Mixed Regions of Polymer/Fullerene Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2013 , 3, 364-374 | 21.8 | 386 |
| 710 | Linear side chains in benzo[1,2-b:4,5-b']dithiophene-thieno[3,4-c]pyrrole-4,6-dione polymers direct self-assembly and solar cell performance. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4656-9 | 16.4 | 625 |
| 709 | Sensitivity to molecular order of the electrical conductivity in oligothiophene monolayer films. <i>Langmuir</i> , 2013 , 29, 1206-10 | 4 | 5 |
| 708 | Recombination in Polymer:Fullerene Solar Cells with Open-Circuit Voltages Approaching and Exceeding 1.0 V. <i>Advanced Energy Materials</i> , 2013 , 3, 220-230 | 21.8 | 199 |
| 707 | Improving T ₁ and T ₂ magnetic resonance imaging contrast agents through the conjugation of an esteramide dendrimer to high-water-coordination Gd(III) hydroxypyridinone complexes. <i>Contrast Media and Molecular Imaging</i> , 2012 , 7, 95-9 | 3.2 | 37 |
| 706 | Deep Energetic Trap States in Organic Photovoltaic Devices. <i>Advanced Energy Materials</i> , 2012 , 2, 111-119 | 11.8 | 56 |
| 705 | A monolithic lipase reactor for biodiesel production by transesterification of triacylglycerides into fatty acid methyl esters. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 371-80 | 4.9 | 34 |
| 704 | Analysis of Lanthanide Complex Dendrimer Conjugates for Bimodal NIR and MRI Imaging. <i>Macromolecules</i> , 2012 , 45, 8982-8990 | 5.5 | 26 |
| 703 | Degradable Dextran Particles for Gene Delivery Applications. <i>Australian Journal of Chemistry</i> , 2012 , 65, 15 | 1.2 | 17 |
| 702 | A Quantitative Correlation between the Mobility and Crystallinity of Photo-Cross-Linkable P3HT. <i>Macromolecules</i> , 2012 , 45, 3057-3062 | 5.5 | 40 |
| 701 | Branched polymeric media: perchlorate-selective resins from hyperbranched polyethyleneimine. <i>Environmental Science & Technology</i> , 2012 , 46, 10718-26 | 10.3 | 22 |
| 700 | Self-Assembly and Photomechanical Switching of an Azobenzene Derivative on GaAs(110): Scanning Tunneling Microscopy Study. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 1052-1055 | 3.8 | 22 |
| 699 | Polyphosphonium polymers for siRNA delivery: an efficient and nontoxic alternative to polyammonium carriers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1902-5 | 16.4 | 116 |
| 698 | Aerosolized antimicrobial agents based on degradable dextran nanoparticles loaded with silver carbene complexes. <i>Molecular Pharmaceutics</i> , 2012 , 9, 3012-22 | 5.6 | 39 |
| 697 | Small Molecule-Guided Thermoresponsive Supramolecular Assemblies. <i>Macromolecules</i> , 2012 , 45, 8292-8299 | 8.9 | 34 |
| 696 | Side-chain tunability of furan-containing low-band-gap polymers provides control of structural order in efficient solar cells. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2180-5 | 16.4 | 437 |

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|-----|--|------|------|
| 695 | Conjugation chemistry through acetals toward a dextran-based delivery system for controlled release of siRNA. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15840-8 | 16.4 | 76 |
| 694 | Solvent-Resistant Organic Transistors and Thermally Stable Organic Photovoltaics Based on Cross-linkable Conjugated Polymers. <i>Chemistry of Materials</i> , 2012 , 24, 215-221 | 9.6 | 140 |
| 693 | Preparation of porous polymer monoliths featuring enhanced surface coverage with gold nanoparticles. <i>Journal of Chromatography A</i> , 2012 , 1261, 121-8 | 4.5 | 110 |
| 692 | Effect of reaction conditions on film morphology of polyaniline composite membranes for gas separation. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 3077-3085 | 2.5 | 19 |
| 691 | Functionalized Isothianaphthene Monomers That Promote Quinoidal Character in Donor-Acceptor Copolymers for Organic Photovoltaics. <i>Macromolecules</i> , 2012 , 45, 4069-4074 | 5.5 | 42 |
| 690 | Conjugation to Biocompatible Dendrimers Increases Lanthanide Relaxivity of Hydroxypyridinone (HOPO) Complexes for Magnetic Resonance Imaging (MRI). <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2108-2114 | 2.3 | 22 |
| 689 | Thermally Activated, Single Component Epoxy Systems. <i>Macromolecules</i> , 2011 , 44, 6318-6325 | 5.5 | 17 |
| 688 | Porous polymer monoliths functionalized through copolymerization of a C60 fullerene-containing methacrylate monomer for highly efficient separations of small molecules. <i>Analytical Chemistry</i> , 2011 , 83, 9478-84 | 7.8 | 93 |
| 687 | Electrical transport properties of oligothiophene-based molecular films studied by current sensing atomic force microscopy. <i>Nano Letters</i> , 2011 , 11, 4107-12 | 11.5 | 33 |
| 686 | Steric control of the donor/acceptor interface: implications in organic photovoltaic charge generation. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12106-14 | 16.4 | 184 |
| 685 | Mannosylated dextran nanoparticles: a pH-sensitive system engineered for immunomodulation through mannose targeting. <i>Bioconjugate Chemistry</i> , 2011 , 22, 949-57 | 6.3 | 73 |
| 684 | Molecular design and ordering effects in functional materials for transistor and solar cell applications. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20009-29 | 16.4 | 1251 |
| 683 | Synthesis and properties of star-comb polymers and their doxorubicin conjugates. <i>Bioconjugate Chemistry</i> , 2011 , 22, 617-24 | 6.3 | 36 |
| 682 | Long-term thermal stability of high-efficiency polymer solar cells based on photocrosslinkable donor-acceptor conjugated polymers. <i>Advanced Materials</i> , 2011 , 23, 1660-4 | 24 | 140 |
| 681 | A facile approach to superhydrophilic-superhydrophobic patterns in porous polymer films. <i>Advanced Materials</i> , 2011 , 23, 3030-4 | 24 | 158 |
| 680 | Efficient small molecule bulk heterojunction solar cells with high fill factors via pyrene-directed molecular self-assembly. <i>Advanced Materials</i> , 2011 , 23, 5359-63 | 24 | 337 |
| 679 | Chemotherapeutic evaluation of a synthetic tubulysin analogue-dendrimer conjugate in c26 tumor bearing mice. <i>ChemMedChem</i> , 2011 , 6, 49-53 | 3.7 | 28 |
| 678 | Incorporation of carbon nanotubes in porous polymer monolithic capillary columns to enhance the chromatographic separation of small molecules. <i>Journal of Chromatography A</i> , 2011 , 1218, 2546-52 | 4.5 | 165 |

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|-----|--|------|-----|
| 677 | Acid-degradable solid-walled microcapsules for pH-responsive burst-release drug delivery. <i>Chemical Communications</i> , 2011 , 47, 665-7 | 5.8 | 86 |
| 676 | Conjugation effects of various linkers on Gd(III) MRI contrast agents with dendrimers: optimizing the hydroxypyridinonate (HOPO) ligands with nontoxic, degradable esteramide (EA) dendrimers for high relaxivity. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2390-3 | 16.4 | 83 |
| 675 | Acid-degradable cationic dextran particles for the delivery of siRNA therapeutics. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1056-65 | 6.3 | 123 |
| 674 | A biocompatible oxidation-triggered carrier polymer with potential in therapeutics. <i>Journal of the American Chemical Society</i> , 2011 , 133, 756-8 | 16.4 | 296 |
| 673 | Strategies for developing pH sensitive fluorescent probes 2010 , | | 1 |
| 672 | Modular small-molecule directed nanoparticle assembly 2010 , | | 1 |
| 671 | Biological applications of fluorescence lifetime imaging beyond microscopy 2010 , | | 5 |
| 670 | Oligo- and polythiophene/ZnO hybrid nanowire solar cells. <i>Nano Letters</i> , 2010 , 10, 334-40 | 11.5 | 370 |
| 669 | Incorporation of furan into low band-gap polymers for efficient solar cells. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15547-9 | 16.4 | 414 |
| 668 | Kevlar Functionalized Carbon Nanotubes for Next-Generation Composites. <i>Chemistry of Materials</i> , 2010 , 22, 2164-2171 | 9.6 | 39 |
| 667 | Determination of photoswitching dynamics through chiral mapping of single molecules using a scanning tunneling microscope. <i>Physical Review Letters</i> , 2010 , 104, 178301 | 7.4 | 49 |
| 666 | Phenyl vs Alkyl Polythiophene: A Solar Cell Comparison Using a Vinazene Derivative as Acceptor. <i>Chemistry of Materials</i> , 2010 , 22, 1673-1679 | 9.6 | 125 |
| 665 | Monolithic superhydrophobic polymer layer with photopatterned virtual channel for the separation of peptides using two-dimensional thin layer chromatography-desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 2520-8 | 7.8 | 65 |
| 664 | Synthesis, properties, and electronic applications of size-controlled poly(3-hexylthiophene) nanoparticles. <i>Langmuir</i> , 2010 , 26, 13056-61 | 4 | 87 |
| 663 | Nanostructured organic semiconductors via directed supramolecular assembly. <i>ACS Nano</i> , 2010 , 4, 2721-6 | 16.7 | 81 |
| 662 | Easy access to a family of polymer catalysts from modular star polymers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2570-2 | 16.4 | 97 |
| 661 | In vitro analysis of acetalated dextran microparticles as a potent delivery platform for vaccine adjuvants. <i>Molecular Pharmaceutics</i> , 2010 , 7, 826-35 | 5.6 | 111 |
| 660 | Influence of molecular ordering on electrical and friction properties of E(trans-4-stilbene)alkylthiol self-assembled monolayers on Au(111). <i>Langmuir</i> , 2010 , 26, 16522-8 | 4 | 16 |

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|-----|---|------|-----|
| 659 | Quinacridone-based molecular donors for solution processed bulk-heterojunction organic solar cells. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2679-86 | 9.5 | 72 |
| 658 | Polymer monoliths with exchangeable chemistries: use of gold nanoparticles as intermediate ligands for capillary columns with varying surface functionalities. <i>Analytical Chemistry</i> , 2010 , 82, 7416-21 | 7.8 | 138 |
| 657 | Efficient separation of small molecules using a large surface area hypercrosslinked monolithic polymer capillary column. <i>Analytical Chemistry</i> , 2010 , 82, 1621-3 | 7.8 | 136 |
| 656 | Cyclometalated Platinum Polymers: Synthesis, Photophysical Properties, and Photovoltaic Performance. <i>Chemistry of Materials</i> , 2010 , 22, 1977-1987 | 9.6 | 48 |
| 655 | Solution-Processable Crystalline Platinum-Acetylide Oligomers with Broadband Absorption for Photovoltaic Cells. <i>Chemistry of Materials</i> , 2010 , 22, 2325-2332 | 9.6 | 94 |
| 654 | Design, synthesis, and biological evaluation of a robust, biodegradable dendrimer. <i>Bioconjugate Chemistry</i> , 2010 , 21, 764-73 | 6.3 | 90 |
| 653 | Bifunctional patterning of mixed monolayer surfaces using scanning probe lithography for multiplexed directed assembly. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6890-1 | 16.4 | 37 |
| 652 | Bodipy-backboned polymers as electron donor in bulk heterojunction solar cells. <i>Chemical Communications</i> , 2010 , 46, 4148-50 | 5.8 | 141 |
| 651 | Axial Thiophene-Boron(subphthalocyanine) Dyads and Their Application in Organic Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2833-2838 | 9.5 | 57 |
| 650 | Site isolation of emitters within cross-linked polymer nanoparticles for white electroluminescence. <i>Nano Letters</i> , 2010 , 10, 1440-4 | 11.5 | 38 |
| 649 | Synthetic control of structural order in N-alkylthieno[3,4-c]pyrrole-4,6-dione-based polymers for efficient solar cells. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7595-7 | 16.4 | 851 |
| 648 | Functionalization, self-assembly, and photoswitching quenching for azobenzene derivatives adsorbed on Au(111). <i>Journal of Chemical Physics</i> , 2010 , 133, 234707 | 3.9 | 15 |
| 647 | The origin of charge localization observed in organic photovoltaic materials. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15720-5 | 16.4 | 38 |
| 646 | Porous polymer monolithic column with surface-bound gold nanoparticles for the capture and separation of cysteine-containing peptides. <i>Analytical Chemistry</i> , 2010 , 82, 3352-8 | 7.8 | 183 |
| 645 | Site isolation in phosphorescent bichromophoric block copolymers designed for white electroluminescence. <i>Advanced Materials</i> , 2010 , 22, 77-82 | 24 | 122 |
| 644 | Acetal-modified dextran microparticles with controlled degradation kinetics and surface functionality for gene delivery in phagocytic and non-phagocytic cells. <i>Advanced Materials</i> , 2010 , 22, 3593-7 | 24 | 96 |
| 643 | Polarity-directed one-pot asymmetric cascade reactions mediated by two catalysts in an aqueous buffer. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2393-6 | 16.4 | 39 |
| 642 | Hypercrosslinking: new approach to porous polymer monolithic capillary columns with large surface area for the highly efficient separation of small molecules. <i>Journal of Chromatography A</i> , 2010 , 1217, 8212-21 | 4.5 | 139 |

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|-----|---|------|-----|
| 641 | High-throughput near-field optical nanoprocessing of solution-deposited nanoparticles. <i>Small</i> , 2010 , 6, 1812-21 | 11 | 52 |
| 640 | Surface anchoring and dynamics of thiolated azobenzene molecules on Au(111). <i>Journal of Chemical Physics</i> , 2009 , 131, 034707 | 3.9 | 10 |
| 639 | Solution processable boron subphthalocyanine derivatives as active materials for organic photovoltaics 2009 , | | 16 |
| 638 | T-cell activation by antigen-loaded pH-sensitive hydrogel particles in vivo: the effect of particle size. <i>Bioconjugate Chemistry</i> , 2009 , 20, 111-9 | 6.3 | 68 |
| 637 | Biodegradable dendritic positron-emitting nanoprobe for the noninvasive imaging of angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 685-90 | 11.5 | 220 |
| 636 | The influence of polymer topology on pharmacokinetics: differences between cyclic and linear PEGylated poly(acrylic acid) comb polymers. <i>Journal of Controlled Release</i> , 2009 , 140, 203-9 | 11.7 | 114 |
| 635 | Multifunctional Crosslinkable Iridium Complexes as Hole Transporting/Electron Blocking and Emitting Materials for Solution-Processed Multilayer Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2009 , 19, 1024-1031 | 15.6 | 66 |
| 634 | Porous polymer coatings: a versatile approach to superhydrophobic surfaces. <i>Advanced Functional Materials</i> , 2009 , 19, 1993-1998 | 15.6 | 282 |
| 633 | Photocrosslinkable Polythiophenes for Efficient, Thermally Stable, Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2009 , 19, 2273-2281 | 15.6 | 233 |
| 632 | In-column preparation of a brush-type chiral stationary phase using click chemistry and a silica monolith. <i>Journal of Separation Science</i> , 2009 , 32, 21-8 | 3.4 | 41 |
| 631 | Nanoporous polymers for hydrogen storage. <i>Small</i> , 2009 , 5, 1098-111 | 11 | 333 |
| 630 | Small-molecule-directed nanoparticle assembly towards stimuli-responsive nanocomposites. <i>Nature Materials</i> , 2009 , 8, 979-85 | 27 | 392 |
| 629 | Increased light harvesting in dye-sensitized solar cells with energy relay dyes. <i>Nature Photonics</i> , 2009 , 3, 406-411 | 33.9 | 398 |
| 628 | Nanostructured p-type cobalt layered double hydroxide/n-type polymer bulk heterojunction yields an inexpensive photovoltaic cell. <i>Thin Solid Films</i> , 2009 , 517, 5722-5727 | 2.2 | 32 |
| 627 | Effect of capillary cross-section geometry and size on the separation of proteins in gradient mode using monolithic poly(butyl methacrylate-co-ethylene dimethacrylate) columns. <i>Journal of Chromatography A</i> , 2009 , 1216, 2355-61 | 4.5 | 46 |
| 626 | In vivo studies on the effect of co-encapsulation of CpG DNA and antigen in acid-degradable microparticle vaccines. <i>Molecular Pharmaceutics</i> , 2009 , 6, 1160-9 | 5.6 | 64 |
| 625 | Impact of hydrogel nanoparticle size and functionalization on in vivo behavior for lung imaging and therapeutics. <i>Molecular Pharmaceutics</i> , 2009 , 6, 1891-902 | 5.6 | 64 |
| 624 | A direct route to cyclic organic nanostructures via ring-expansion metathesis polymerization of a dendronized macromonomer. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5388-9 | 16.4 | 126 |

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|-----|---|------|-----|
| 623 | Dependence of pharmacokinetics and biodistribution on polymer architecture: effect of cyclic versus linear polymers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3842-3 | 16.4 | 181 |
| 622 | Surface tension mediated conversion of light to work. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5396-8 | 16.4 | 128 |
| 621 | Acetalated dextran is a chemically and biologically tunable material for particulate immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 5497-502 | 11.5 | 235 |
| 620 | Chemoselective ligation in the functionalization of polysaccharide-based particles. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10360-1 | 16.4 | 61 |
| 619 | Solution-Processable H-Distyryl Oligothiophene Semiconductors with Enhanced Environmental Stability. <i>Chemistry of Materials</i> , 2009 , 21, 1927-1938 | 9.6 | 27 |
| 618 | Downscaling limits and confinement effects in the miniaturization of porous polymer monoliths in narrow bore capillaries. <i>Analytical Chemistry</i> , 2009 , 81, 7390-6 | 7.8 | 52 |
| 617 | Soluble polymer carriers for the treatment of cancer: the importance of molecular architecture. <i>Accounts of Chemical Research</i> , 2009 , 42, 1141-51 | 24.3 | 583 |
| 616 | Synthesis and in vivo antitumor efficacy of PEGylated poly(L-lysine) dendrimer-camptothecin conjugates. <i>Molecular Pharmaceutics</i> , 2009 , 6, 1562-72 | 5.6 | 133 |
| 615 | Chemicals on demand with phototriggerable microcapsules. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13586-7 | 16.4 | 83 |
| 614 | Nanoporous, hypercrosslinked polypyrroles: effect of crosslinking moiety on pore size and selective gas adsorption. <i>Chemical Communications</i> , 2009 , 1526-8 | 5.8 | 68 |
| 613 | Solution Processing of a Small Molecule, Subnaphthalocyanine, for Efficient Organic Photovoltaic Cells. <i>Chemistry of Materials</i> , 2009 , 21, 1413-1417 | 9.6 | 92 |
| 612 | Use of photopatterned porous polymer monoliths as passive micromixers to enhance mixing efficiency for on-chip labeling reactions. <i>Lab on A Chip</i> , 2009 , 9, 877-83 | 7.2 | 50 |
| 611 | Self-Assembly of Dendronized Polymers. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13768-75 | 3.4 | 12 |
| 610 | All-polymer photovoltaic devices of poly(3-(4-n-octyl)-phenylthiophene) from Grignard Metathesis (GRIM) polymerization. <i>Journal of the American Chemical Society</i> , 2009 , 131, 14160-1 | 16.4 | 160 |
| 609 | Self-patterned molecular photoswitching in nanoscale surface assemblies. <i>Nano Letters</i> , 2009 , 9, 935-9 | 11.5 | 31 |
| 608 | Engineering NIR dyes for fluorescent lifetime contrast. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 114-7 | 0.9 | 10 |
| 607 | Effect of Addition of a Diblock Copolymer on Blend Morphology and Performance of Poly(3-hexylthiophene):Perylene Diimide Solar Cells. <i>Chemistry of Materials</i> , 2009 , 21, 1775-1777 | 9.6 | 166 |
| 606 | Biodegradable pH-sensing dendritic nanoprobe for near-infrared fluorescence lifetime and intensity imaging. <i>Journal of the American Chemical Society</i> , 2008 , 130, 444-5 | 16.4 | 110 |

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|-----|--|------|------|
| 605 | One-pot multi-component asymmetric cascade reactions catalyzed by soluble star polymers with highly branched non-interpenetrating catalytic cores. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6322-3 | 16.4 | 253 |
| 604 | Iron complexes of dendrimer-appended carboxylates for activating dioxygen and oxidizing hydrocarbons. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4352-63 | 16.4 | 66 |
| 603 | Fully acid-degradable biocompatible polyacetal microparticles for drug delivery. <i>Bioconjugate Chemistry</i> , 2008 , 19, 911-9 | 6.3 | 151 |
| 602 | Control of aldol reaction pathways of enolizable aldehydes in an aqueous environment with a hyperbranched polymeric catalyst. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17287-9 | 16.4 | 52 |
| 601 | PEGylated dendrimers with core functionality for biological applications. <i>Bioconjugate Chemistry</i> , 2008 , 19, 461-9 | 6.3 | 166 |
| 600 | Preparation of Size-Selective Nanoporous Polymer Networks of Aromatic Rings: Potential Adsorbents for Hydrogen Storage. <i>Chemistry of Materials</i> , 2008 , 20, 7069-7076 | 9.6 | 186 |
| 599 | A facile and patternable method for the surface modification of carbon nanotube forests using perfluoroarylazides. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4238-9 | 16.4 | 142 |
| 598 | Enhanced cell penetration of acid-degradable particles functionalized with cell-penetrating peptides. <i>Bioconjugate Chemistry</i> , 2008 , 19, 876-81 | 6.3 | 46 |
| 597 | Enzymatic ligation creates discrete multinanoparticle building blocks for self-assembly. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9598-605 | 16.4 | 80 |
| 596 | Acid-degradable polyurethane particles for protein-based vaccines: biological evaluation and in vitro analysis of particle degradation products. <i>Molecular Pharmaceutics</i> , 2008 , 5, 876-84 | 5.6 | 44 |
| 595 | The influence of poly(3-hexylthiophene) regioregularity on fullerene-composite solar cell performance. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16324-9 | 16.4 | 378 |
| 594 | Acetal-derivatized dextran: an acid-responsive biodegradable material for therapeutic applications. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10494-5 | 16.4 | 348 |
| 593 | Isolation of discrete nanoparticle-DNA conjugates for plasmonic applications. <i>Nano Letters</i> , 2008 , 8, 1202-5 | 16.5 | 147 |
| 592 | Monitoring the biodegradation of dendritic near-infrared nanoprobe by in vivo fluorescence imaging. <i>Molecular Pharmaceutics</i> , 2008 , 5, 1103-10 | 5.6 | 60 |
| 591 | Measuring reversible photomechanical switching rates for a molecule at a surface. <i>Applied Physics Letters</i> , 2008 , 92, 123107 | 3.4 | 52 |
| 590 | Lithography-free high-resolution organic transistor arrays on polymer substrate by low energy selective laser ablation of inkjet-printed nanoparticle film. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 92, 579-587 | 2.6 | 67 |
| 589 | CEC separation of peptides using a poly(hexyl acrylate-co-1,4-butanediol diacrylate-co-[2-(acryloyloxy)ethyl]trimethyl ammonium chloride) monolithic column. <i>Electrophoresis</i> , 2008 , 29, 3875-86 | 3.6 | 30 |
| 588 | Polymer-fullerene composite solar cells. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 58-77 | 16.4 | 3700 |

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| 587 | Nanoscale Patterning and Electronics on Flexible Substrate by Direct Nanoimprinting of Metallic Nanoparticles. <i>Advanced Materials</i> , 2008 , 20, 489-496 | 24 | 156 |
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